

~~C sub 11 wherein said extracellular domain and cytoplasmic domain are not naturally joined together, and said cytoplasmic domain is not naturally joined to an extracellular ligand binding domain, and when said amino acid sequence is expressed as a membrane bound protein in a selected host cell under conditions suitable for expression, said membrane bound protein initiates signalling in said host cell.~~

~~58~~ 80. A protein according to Claim ~~59~~, wherein said cytoplasmic domain is selected from the group consisting of the CD3 zeta chain, the CD3 eta chain, the CD3 gamma chain, the CD3 delta chain, the CD3 epsilon chain, the gamma chain of a Fc receptor, and a tyrosine kinase.

~~59~~ 81. A protein according to Claim ~~80~~, wherein the cytoplasmic domain is the gamma chain of the FcεR1 receptor.

~~60~~ 82. A protein according to Claim ~~59~~ wherein said extracellular binding domain is the heavy chain of an immunoglobulin, by itself or in conjunction with a light chain, or truncated portions thereof containing ligand binding activity.

~~61~~ 83. A protein according to claim ~~82~~ wherein said extracellular binding domain is a single-chain antibody, or portion thereof, ~~containing ligand binding activity~~.

~~62~~ 84. A protein according to Claim ~~79~~ wherein said extracellular domain is CD8.

~~63~~ 85. A protein according to Claim ~~79~~ wherein said extracellular domain is CD4.

Sub 2 86. A mammalian cell comprising as a surface membrane protein, a protein according to Claim 79.

Sub 2 87. The mammalian cell of claim 86 wherein said cell is a hematopoietic stem cell.

C 88. A mammalian cell according to Claim 86, wherein said extracellular binding domain is bound to a second protein to define a binding site. *second ligand*

Sub 3 89. A mammalian cell comprising as a surface membrane protein, a protein according to Claim 82, wherein said cell is a cytotoxic T lymphocyte.

B' level. 90. A mammalian cell comprising as a surface membrane protein, a protein according to Claim 85, wherein said cell is a cytotoxic T lymphocyte.

Sub 4 91. A mammalian cell comprising as a surface membrane protein, a protein according to Claim 85 wherein said cell is substantially free of surface expression of at least one of Class I or Class II MHC *major Histocompatibility Complex antigens*

20 92. A mammalian cell comprising as a surface membrane protein, a protein according to Claim 85, wherein said cell is substantially free of surface expression of at least one of Class I or Class II MHC.

REMARKS

Claims 79-92 are now pending in the subject application.
Claims 1-37 and 55-56 have been canceled and new claims 79-92